

Notice of Allowability

Application No.

09/904,674

Examiner

Judson H. Jones

Applicant(s)

TEBBE, GERHARD

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the amendment filed 12/15/2003.
2. ☒ The allowed claim(s) is/are 1,3-5,7-19,21 and 22.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☒ hereto or 2) ☐ to Paper No. _____.
 - (b) ☒ including changes required by the proposed drawing correction filed 04 August 2003, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892) | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2 <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 3 <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. _____ | 7 <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 19 line 9 replace the word "valve" with value.

In claim 19 line 12 replace the word "valve" with value.

Allowable Subject Matter

Claims 1, 3-5, 4-19, 21 and 22 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art of record does not disclose or teach a method for reducing load cycle oscillations in the drive train of a motor vehicle comprising detecting a change in the available torque, determining the period of a load oscillation and applying a torque pulse having a duration which is half the period of the oscillation and a magnitude which is about half the magnitude of the available torque as recited in claim 1. The prior art of record does not disclose or teach a method for reducing load cycle oscillations in the drive train of a motor vehicle comprising detecting a change in the available torque, determining the period of a load oscillation and applying first and second torque pulses, with the second pulse being triggered one period of the load cycle oscillation later than the first pulse, with the pulses lasting half the period of the load cycle oscillation and in phase opposition to the load cycle oscillation as recited in claim 16. The prior art of record does not disclose or

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teach a control program for reducing load cycle oscillations in the drive train of a motor vehicle comprising detecting a change in the available torque, determining the period of a load oscillation, generating a first pulse having a negative value with respect to the available torque and generating a second pulse having a positive value with respect to the available torque as recited in claim 19. The prior art of record does not disclose or teach a control program for reducing load cycle oscillations in the drive train of a motor vehicle comprising detecting a change in the available torque, determining the period of a load oscillation, generating and applying first, second and third pulses in phase opposition to the oscillation with the second pulse being directed opposite to the first and third pulses as recited in claim 21. The prior art of record does not disclose or teach a method for reducing load cycle oscillations in the drive train of a motor vehicle comprising detecting a change in the available torque, determining the period of a load oscillation and applying a torque pulse produced by a rotating mass via a brake, said torque pulse having a duration about half the period of the oscillation as recited in claim 22.

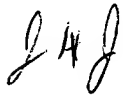
Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Judson H. Jones whose telephone number is 703-308-0115. The examiner can normally be reached on 8-4:30 M-F.

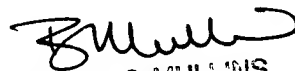
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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Burt Mullins can be reached on 703-305-7063. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.



JHJ 1/26/2004



BURTON S. MULLINS
PRIMARY EXAMINER